

## **ABSTRACT**

A method of providing a vehicle monitoring system for ensuring accurate vehicle mileage readings. A comparison is made between velocity measurements from several sources to detect unauthorized modifications made to a vehicle in an effort to ensure accurate vehicle odometer readings. The vehicle velocity measured on-board is compared with vehicle velocity data signals received from a remote satellite system in light of an allowable tolerance. The system will detect changes in the vehicle such as tire size or tampering with the vehicles on-board measurement devices. The system may communicate out of tolerance conditions to the vehicle operator and the fleet manager.